

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4214	(715/513 715/517 715/523 715/530).ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:19
L2	293	715/533.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L3	9059	spell spelling	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L4	715156	correction correct	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L5	1312	L3 with L4	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L6	111	L5 and 2	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L7	1189726	penalty cost	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L8	30	L7 and 6	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L9	3342821	length longer shorter short long	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
L10	26	L9 and 8	US-PGPUB; USPAT	OR	OFF	2006/03/23 16:20
S1	9059	spell spelling	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S2	715156	correction correct	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S3	1312	S1 with S2	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S4	1189726	penalty cost	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S5	7078	S2 with S4	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S6	8	S3 same S5	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S7	3384102	@ad < "20010602"	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:56
S8	4	S6 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:58
S9	3342821	length longer shorter short long	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:58
S10	1	S6 same S9	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:59
S11	0	S10 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:58

## EAST Search History

S12	73844	S4 with S9	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:59
S13	4	S3 and S5 and S12	US-PGPUB; USPAT	OR	OFF	2006/03/23 12:59
S14	3	S13 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:03
S15	0	google.in.	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:04
S16	28	google.as.	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:04
S17	11	S16 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:05
S18	0	S3 and S17	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:04
S19	37	did with you with mean	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:05
S20	2	S16 and S19	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:06
S21	0	S20 and S7	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:05
S22	2468	(multiple adj word) multiple-word (multi adj word) multi-word	US-PGPUB; USPAT	OR	OFF	2006/03/23 13:07
S23	12083	(phrasal adj string) (phrase adj string) (plurality adj word)	US-PGPUB; USPAT	OR	ON	2006/03/23 13:07
S24	14167	S22 S23	US-PGPUB; USPAT	OR	ON	2006/03/23 13:07
S25	30	S24 same S3	US-PGPUB; USPAT	OR	ON	2006/03/23 13:07
S26	21	S25 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:08
S27	2	S25 same S4	US-PGPUB; USPAT	OR	ON	2006/03/23 13:08
S28	7	S25 and S4	US-PGPUB; USPAT	OR	ON	2006/03/23 13:08
S29	1	S27 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:09
S30	3	S28 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:10
S31	192240	S4 same S9	US-PGPUB; USPAT	OR	ON	2006/03/23 13:10
S32	73844	S4 with S9	US-PGPUB; USPAT	OR	ON	2006/03/23 13:11
S33	2	S3 same S32	US-PGPUB; USPAT	OR	ON	2006/03/23 13:11

## EAST Search History

S34	2	S33 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:15
S35	39	S3 and S32	US-PGPUB; USPAT	OR	ON	2006/03/23 13:15
S36	32	S35 and S7	US-PGPUB; USPAT	OR	ON	2006/03/23 13:15


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "(((spell check&lt;and&gt;length))&lt;and&gt;((spell check&lt;and&gt;length) &lt;and&gt; (cost &lt;or&gt;..."

e-mail

Your search matched 5 of 54 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

## » Search Options

[View Session History](#)[New Search](#)

## Modify Search

(((spell check&lt;and&gt;length))&lt;and&gt;((spell check&lt;and&gt;length) &lt;and&gt; (cost &lt;or&gt; price)&lt;

Search

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

view selected items

[Select All](#) [Deselect All](#)

- ☐ 1. Comparison of Hash Table Verses Lexical Transducer Based Implementa  
Lexicon  
Jafar Rizvi, S.M.; Hussain, M.; Qaiser, N.;  
[Engineering, Sciences and Technology, Student Conference On](#)  
30-31 Dec. 2004 Page(s):29 - 29  
[AbstractPlus](#) | Full Text: [PDF](#)(288 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 2. Case history: the professional job search  
Jones, R.W.;  
[Industry Applications Magazine, IEEE](#)  
Volume 4, Issue 2, March-April 1998 Page(s):61 - 67  
Digital Object Identifier 10.1109/2943.655662  
[AbstractPlus](#) | Full Text: [PDF](#)(1356 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 3. Program slicing with dynamic points-to sets  
Mock, M.; Atkinson, D.C.; Chambers, C.; Eggers, S.J.;  
[Software Engineering, IEEE Transactions on](#)  
Volume 31, Issue 8, Aug. 2005 Page(s):657 - 678  
Digital Object Identifier 10.1109/TSE.2005.94  
[AbstractPlus](#) | Full Text: [PDF](#)(1856 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 4. Tries for approximate string matching  
Shang, H.; Merrettal, T.H.;  
[Knowledge and Data Engineering, IEEE Transactions on](#)  
Volume 8, Issue 4, Aug. 1996 Page(s):540 - 547  
Digital Object Identifier 10.1109/69.536247  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(768 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 5. Better, more cost-effective intake interviews  
Warren, J.R.;  
[Intelligent Systems and Their Applications, IEEE \[see also IEEE Intelligent Sys](#)  
Volume 13, Issue 1, Jan.-Feb. 1998 Page(s):40 - 48  
Digital Object Identifier 10.1109/5254.653223

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(5620 KB\)](#) [IEEE JNL](#)  
[Rights and Permissions](#)



[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2006 IEEE –

IP.com  
PriorArtDatabase

March 23, 2006

USPTO

Secure

**Search**[Full Text](#)[Concept](#)[Document ID](#)[Recent Disclosures](#)**Other**[Prior Art Home](#)[Support](#)[Logout](#)

Displaying records #1 through 10 out of 500

(search stopped at 500 hits)

Result # 1    Relevance:

**High Speed Parity Checking Algorithm**

1974-07-01

IPCOM000081734D

English

An algorithm is described to check for either even or odd parity in a variable-length bit known maximum length.

Result # 2    Relevance:

**Parity Check for Deserializer**

1969-12-01

IPCOM000071191D

English

In the conversion from the serial representation of disk data with a modulo 4 checking byte parallel word with a parity bit for each byte, previous systems do, not check the tr hardware. This arrangement derives a parity bit for checking against the ...

Result # 3    Relevance:

**Adaptive Cyclic Redundancy Check over 16-Bit Bytes: Method and App**

1994-02-01

IPCOM000111350D

English

The data that is sent between nodes in a parallel/distributed machine is typically protected by detecting/correcting code. A common approach is to use a fixed block length and redundancy bytes at the end of a block. In an asynchronous communication ...

Result # 4    Relevance:

**Parity Prediction Circuitry for Cyclic Code Checking**

1971-09-01

IPCOM000075398D

English

The parity-prediction circuitry operates for both the read and write modes of file 12. In read mode, data from file 12 is read therefrom in serial fashion and is transmitted to CPU 1C. In the write mode, data from CPU 10 is pulled therefrom in bytes and is ...

Result # 5    Relevance:

**CRC Technique for RAS Code**

1978-04-01

IPCOM000069427D

English

RAS (reliability, availability, serviceability) code checking of a machine generally takes the form of running a short piece of exercising code followed by several instructions which perform comparisons with an expected result. Many such checks are placed in the ...

Result # 6    Relevance:

**Parity Prediction for Incrementers**

1975-10-01

IPCOM000084264D

English

The present technique speeds up register update by predicting parity rather than generating it.

Result # 7    Relevance:

**Main Storage Error Correction**

1968-03-01

IPCOM000091564D

English

This method of error detection and correction is applied to a computer main memory in order to balance checking efficiency against system utilization. The system calculates a Hamming code for each word of data and stores it in a separate memory. When a word of data is read, the Hamming code is also read and compared with the stored Hamming code. If they do not match, an error is detected and correction is made.

Code for a unit of data in a conventional manner. Instead of carrying this ...

---

Result # 8      Relevance: 

**Read Only Storage Failure Checking Technique**

1976-01-01

IPCOM000084750D

English

Many read-only storage (ROS) modules do not implement the hardware odd/even parity check on the bytes within the ROS memory. The prime motivating constraint has been the judgment between hardware cost and the required product reliability. However, recent studies ...

---

Result # 9      Relevance: 

**Self Checked Error Correction Code Generator, ECC Comparer Error Syndrome Decoder and Data Bit Corrector**

1972-10-01

IPCOM000077933D

English

In data-processing systems with error correction, ECC bits are generated from a data block comprising bytes and are then appended thereto. An overall word parity bit is generated and appended, and the entire data entity is stored. Upon reading the data entity from ...

---

Result # 10      Relevance: 

**Single Byte Error Correcting and Double Byte Error Detecting Codes**

1983-08-01

IPCOM000046880D

English

A two bit-byte single byte correction and double byte detection (SBC-DBD) code with 7 10 check bits can be shortened to become a (74,64) code. Using the terminology of convolutional SBC-DBD code with b bits per byte is a linear code over the finite field ...

---

**Displaying page 1 of 50**    << FIRST | < BACK | [NEXT >](#) | [LAST >>](#)

---

**Search query:** spell check cost determined by length

**Language:** English

**Published Before:** 6-2-2001 (Original publication date )

[New search](#) | [Modify this search](#)

Copyright © 2006 IP.com, Inc. All rights reserved. |





### 5 Data base directions: the next steps



John L. Berg

November 1976 **ACM SIGMOD Record**, **ACM SIGMIS Database**, Volume 8, 8 Issue 4, 2

**Publisher:** ACM Press

Full text available: [pdf\(9.95 MB\)](#) Additional Information: [full citation](#), [abstract](#)

What information about data base technology does a manager need to make prudent decisions about using this new technology? To provide this information the National Bureau of Standards and the Association for Computing Machinery established a workshop of approximately 80 experts in five major subject areas. The five subject areas were auditing, evolving technology, government regulations, standards, and user experience. Each area prepared a report contained in these proceedings. The proceedings p ...

**Keywords:** DBMS, auditing, cost/benefit analysis, data base, data base management, government regulation, management objectives, privacy, security, standards, technology assessment, user experience

### 6 Special issue on knowledge representation



Ronald J. Brachman, Brian C. Smith

February 1980 **ACM SIGART Bulletin**, Issue 70

**Publisher:** ACM Press

Full text available: [pdf\(13.13 MB\)](#) Additional Information: [full citation](#), [abstract](#)

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were two useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

### 7 An experimental and theoretical comparison of model selection methods



Michael Kearns, Yishay Mansour, Andrew Y. Ng, Dana Ron

July 1995 **Proceedings of the eighth annual conference on Computational learning theory**

**Publisher:** ACM Press

Full text available: [pdf\(1.35 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 8 Special issue on using large corpora: I: Introduction to the special issue on computational linguistics using large corpora

Kenneth W. Church, Robert L. Mercer

March 1993 **Computational Linguistics**, Volume 19 Issue 1

**Publisher:** MIT Press

Full text available: [pdf\(1.80 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)  
[Publisher Site](#)

### 9 Document Formatting Systems: Survey, Concepts, and Issues



Richard Furuta, Jeffrey Scofield, Alan Shaw

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(5.36 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

# 10 Status report of the graphic standards planning committee



Computer Graphics staff

August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(15.01 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)



# 11 The merge/purge problem for large databases



Mauricio A. Hernández, Salvatore J. Stolfo

May 1995 **ACM SIGMOD Record , Proceedings of the 1995 ACM SIGMOD international conference on Management of data SIGMOD '95**, Volume 24 Issue 2

**Publisher:** ACM Press

Full text available: [pdf\(1.37 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many commercial organizations routinely gather large numbers of databases for various marketing and business analysis functions. The task is to correlate information from different databases by identifying distinct individuals that appear in a number of different databases typically in an inconsistent and often incorrect fashion. The problem we study here is the task of merging data from multiple sources in as efficient manner as possible, while maximizing the accuracy of the result. We call thi ...



# 12 Notable computer networks



John S. Quarterman, Josiah C. Hoskins

October 1986 **Communications of the ACM**, Volume 29 Issue 10

**Publisher:** ACM Press

Full text available: [pdf\(4.66 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Computer networks are becoming more numerous and more diverse. Collectively, they constitute a worldwide metanetwork.



# 13 The information age and the printing press: looking backward to see ahead



James A. Dewar

August 2000 **Ubiquity**, Volume 1 Issue 25

**Publisher:** ACM Press

Full text available: [html\(112.11 KB\)](#) Additional Information: [full citation](#), [index terms](#)



# 14 Multiple mass-market applications as components



David Coppit, Kevin J. Sullivan

June 2000 **Proceedings of the 22nd international conference on Software engineering**

**Publisher:** ACM Press

Full text available: [pdf\(179.51 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Truly successful models for component-based software development continue to prove elusive. One of the few is the use of operating system, database and similar programs in many systems. We address three related problems in this paper. First, we lack needed models. Second, we do not know the conditions under which such models can succeed. In particular, it is unclear whether the notable success with operating systems can be replicated. Third, we do not know whether certain specific models ca ...



**Keywords:** component-based software, package-oriented programming


# 15 Technique for automatically correcting words in text



Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(6.23 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Research aimed at correcting words in text has focused on three progressively more difficult problems: (1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent word correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling correction

**Keywords:** n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction


# 16 Deciding ML typability is complete for deterministic exponential time



Harry G. Mairson

December 1989 **Proceedings of the 17th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

**Publisher:** ACM Press

Full text available:  [pdf\(1.86 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A well known but incorrect piece of functional programming folklore is that ML expressions can be efficiently typed in polynomial time. In probing the truth of that folklore, various researchers, including Wand, Buneman, Kanellakis, and Mitchell, constructed simple counterexamples consisting of typable ML programs having length  $n$ , with principal types having  $\Theta(n^2)$  distinct type variables and length  $\Theta(n^2)$ . When the types ...


# 17 ACM forum



Robert L. Ashenhurst

August 1988 **Communications of the ACM**, Volume 31 Issue 9

**Publisher:** ACM Press

Full text available:  [pdf\(1.67 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)


# 18 Checking for spelling and typographical errors in computer-based text



Thomas N. Turba

June 1981 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN SIGOA symposium on Text manipulation**, Volume 16 Issue 6

**Publisher:** ACM Press

Full text available:  [pdf\(1.02 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper addresses the problems and techniques of checking for spelling and typographical errors in computer-based text. To some extent, the paper is a combination of a report of work done by the author and a survey of other work which, although not all

used by the author, is of equal value and interest. Some of the material presented is related to other aspects of text processing such as data compaction and the efficient searching of very large dictionaries.

### 19 A guided tour to approximate string matching



Gonzalo Navarro

March 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(1.19 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We survey the current techniques to cope with the problem of string matching that allows errors. This is becoming a more and more relevant issue for many fast growing areas such as information retrieval and computational biology. We focus on online searching and mostly on edit distance, explaining the problem and its relevance, its statistical behavior, its history and current developments, and the central ideas of the algorithms and their complexities. We present a number of experiments to ...

**Keywords:** Levenshtein distance, edit distance, online string matching, text searching allowing errors

### 20 On user criteria for data model evaluation



William C. McGee

December 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(1.46 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The emergence of a database technology in recent years has focused interest on the subject of data models. A data model is the class of logical data structures which a computer system or language makes available to the user for the purpose of formulating data processing applications. The diversity of computer systems and languages has resulted in a corresponding diversity of data models, and has created a problem for the user in selecting a data model which is in some sense appropriate to a ...

**Keywords:** data model, data model evaluation, data model selection, hierarchic model, network model, relational model

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)